



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/517,071	12/03/2004	2834	1198	3449-0403PUS1	2	10	4

CONFIRMATION NO. 8643

02292

BIRCH STEWART KOLASCH & BIRCH  
 PO BOX 747  
 FALLS CHURCH, VA 22040-0747

## FILING RECEIPT



\*OC000000015600398\*

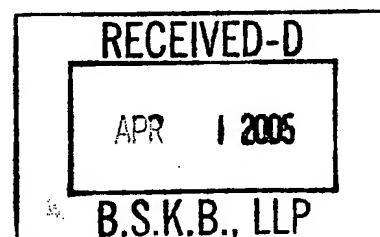
COPY

Date Mailed: 03/31/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Valentin Cherednick, Nizhny Novgorod, RUSSIAN FEDERATION;  
 Michail Dvoesherstov, Nizhny Novgorod, RUSSIAN FEDERATION;  
 Yong Lim Choi, Yongin, KOREA, REPUBLIC OF;



**Power of Attorney:** The patent practitioners associated with Customer Number 2292.

**Domestic Priority data as claimed by applicant**

This application is a 371 of PCT/KR03/01119 06/09/2003

**Foreign Applications**

REPUBLIC OF KOREA 10-2002-0032146 06/08/2002

**Projected Publication Date:** 07/07/2005

**Non-Publication Request:** No

**Early Publication Request:** No

**Title**

Saw sensor device using slit acoustic wave and method thereof

**Preliminary Class**

310

---

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



FW

PATENT  
3449-0403PUS1

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant(s): CHEREDNICK, Valentin et al. Conf.: 008643  
Appl. No.: 10/517,071 Group: UNKNOWN  
Filed: December 3, 2004 Examiner: UNKNOWN  
For: SAW SENSOR DEVICE USING SLIT ACOUSTIC  
WAVE AND METHOD THEREOF

REQUEST FOR A CORRECTED OFFICIAL FILING RECEIPT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

APR 13 2005

Sir:

Attached hereto is the Official Filing Receipt in connection with the above-identified application.

THE FOLLOWING CORRECTION(S) IS/ARE RESPECTFULLY REQUESTED:

Foreign Application(s)

Please add: --REPUBLIC OF KOREA 32147/2002  
06/08/2002--

It is respectfully requested that the U.S. Patent and Trademark Office forward/issue a new Filing Receipt with the correction(s) indicated above. Support for the correction(s) is readily apparent on the enclosed photocopy of the Declaration and Power of Attorney document.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By   
James T. Eller, Jr., #39,538

JTE/mwb  
3449-0403PUS1

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

Attachment(s)



PLEASE NOTE:  
YOU MUST  
COMPLETE THE  
FOLLOWING

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

P.O. Box 747 • Falls Church, Virginia 22040-0747  
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT AND DESIGN APPLICATIONS****COPY**

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:

**SAW SENSOR DEVICE USING SLIT ACOUSTIC WAVE AND METHOD THEREOF**

Fill in Appropriate

Information -  
For Use Without  
Specification  
Attached:

the specification of which is attached hereto. If not attached hereto, the application is identified by the attorney docket number as set forth above and/or the following:

The specification was filed on \_\_\_\_\_ as  
United States Application Number \_\_\_\_\_  
and amended on \_\_\_\_\_;  
the specification was filed on 09 June 2003 (if applicable) and/or  
International Application Number PCT/KR2003/0001119 as PCT  
amended on \_\_\_\_\_; and was  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

Insert Priority  
Information:  
(if appropriate)

32146/2002 (Number)	Korea (Country)	June 08, 2002 (Month/Day/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
32147/2002 (Number)	Korea (Country)	June 08, 2002 (Month/Day/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Month/Day/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Month/Day/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.

Insert Provisional  
Application(s):  
(if any)

(Application Number)	(Filing Date)
(Application Number)	(Filing Date)

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:

Insert Requested  
Information:  
(if appropriate)

Country	Application Number	Date of Filing (Month/Day/Year)
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s), including for continuation-in-part application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Insert Prior U.S.  
Application(s):  
(if any)

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
----------------------	---------------	---

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
----------------------	---------------	---

Attorney Docket No. 3449-0403PUS1

I hereby appoint the practitioners at CUSTOMER NO. 2292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

**BIRCH, STEWART, KOLASCH & BIRCH, LLP** or CUSTOMER NO. 2292

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE:  
YOU MUST  
COMPLETE  
THE  
FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First  
Inventor (Last, first  
initials, middle  
initials, and last  
initials)  
as above

Insert Inventor's  
name Citizenship

Insert First Office  
Address

Full Name of Second  
Inventor, if any;  
see above

Full Name of Third  
Inventor, if any;  
see above

Full Name of Fourth  
Inventor, if any;  
see above

Full Name of Fifth  
Inventor, if any;  
see above

Full Name of Sixth  
Inventor, if any;  
see above

GIVEN NAME/FAMILY NAME Valentin CHEREDNICK	INVENTOR'S SIGNATURE <i>B. Cherednick</i>	DATE November 4, 2004
Residence (City, State & Country) Nizhny Novgorod, Russian Federation		CITIZENSHIP Russia
MAILING ADDRESS (Complete Street Address including City, State & Country) Chemical Faculty of Nizhny Novgorod State University, Gagarin ave., 23, Nizhny Novgorod, 603095, Russian Federation		
GIVEN NAME/FAMILY NAME Michail DVOESHERSTOV	INVENTOR'S SIGNATURE <i>M. Dvoesherstov</i>	DATE November 4, 2004
Residence (City, State & Country) Nizhny Novgorod, Russian Federation		CITIZENSHIP Russia
MAILING ADDRESS (Complete Street Address including City, State & Country) Radio-Physical Faculty of Nizhny Novgorod State University, Gagarin ave., 23, Nizhny Novgorod, 603095, Russian Federation		
GIVEN NAME/FAMILY NAME Yong Lim CHOI	INVENTOR'S SIGNATURE <i>Y. Lim Choi</i>	DATE November 4, 2004
Residence (City, State & Country) Yongin, Korea		CITIZENSHIP Korea
MAILING ADDRESS (Complete Street Address including City, State & Country) Dongboo Apt 105-1604 Poongdeokcheon-dong 691, 449-846 Yongin, Korea		
GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	DATE
Residence (City, State & Country)		CITIZENSHIP
MAILING ADDRESS (Complete Street Address including City, State & Country)		
GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	DATE
Residence (City, State & Country)		CITIZENSHIP
MAILING ADDRESS (Complete Street Address including City, State & Country)		
GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	DATE
Residence (City, State & Country)		CITIZENSHIP
MAILING ADDRESS (Complete Street Address including City, State & Country)		

\*DATE OF SIGNATURE